UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 2, line 33, delete "arid" and insert -- and --, therefor.

In column 5, line 42, insert -- and -- before "feed".

In column 12, line 29, delete "X^Y," and insert -- $X \wedge Y$, --, therefor.

In column 12, line 32, delete "0^C$_v$" and insert -- $0 \wedge C_v$ --, therefor.

In column 12, line 41, delete "C$_\alpha$" and insert -- C_a --, therefor.

In column 12, line 46, delete "X^Y" and insert -- $X \wedge Y$ --, therefor.

In column 12, line 47, delete "C$_\alpha$" and insert -- C_a --, therefor.

In column 13, line 24, delete "NumOJBuyers" and insert -- NumOfBuyers --, therefor.

In column 13, lines 27-28, delete "customer roup" and insert -- customer_group --, therefor.

In column 13, line 32, delete "NumOJShoppers" and insert -- NumOfShoppers --, therefor.

In column 13, line 33, delete "NumOJShoppers" and insert -- NumOfShoppers --, therefor.

In column 13, line 38, delete "C$_\alpha$" and insert -- C_a --, therefor.

In column 13, line 39, delete "C$_\alpha$" and insert -- C_a --, therefor.

In column 17, line 6, delete "pi" and insert -- p_1 --, therefor.

In column 17, line 11, delete "productpl, time t," and insert -- product p_1, time t_1 --, therefor.

In column 17, line 27, delete "α_month+1" and insert -- a_month+1 --, therefor.

In column 17, line 31, delete "α_year" and insert -- a_year --, therefor.

In column 17, line 32, delete "α_Year" and insert -- a_year --, therefor.

In column 18, line 62, delete "$C_{\alpha,i}$" and insert -- $C_{a,i}$ --, therefor.

In column 19, line 13, delete "$\alpha_l,..., \alpha_k$," and insert -- $\alpha_l,..., \alpha_k$, --, therefor.

In column 19, line 13, delete "α" and insert -- a --, therefor.

In column 19, line 16, delete "$\alpha_l, \ldots, \alpha_k$" and insert -- $\alpha_l, \ldots, \alpha_k$ --, therefor.

In column 20, line 26, in Claim 3, delete "th" and insert -- the --, therefor.

In column 21, line 15, in Claim 8, delete "multidimensional" and insert -- multi-dimensional --, therefor.

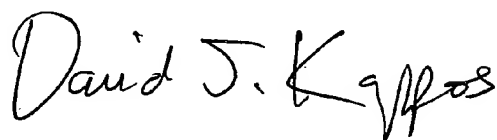In column 21, line 27, in Claim 9, after "update" delete "F".

In column 22, line 5, in Claim 15, delete "products"" and insert -- "products" --, therefor.

In column 23, line 14, in Claim 23, delete "cubes," and insert -- cubes --, therefor.

In column 24, line 6, in Claim 26, delete "the" and insert -- a --, therefor.

Signed and Sealed this

Thirtieth Day of March, 2010

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office